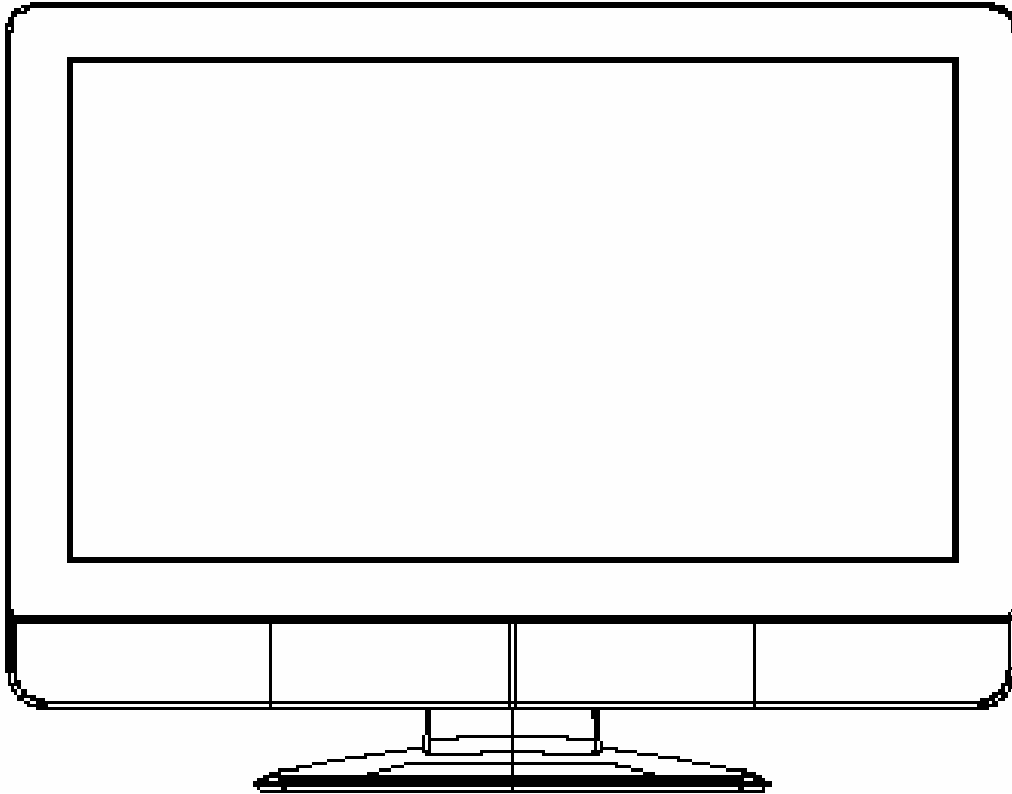


Service Manual



**Model #: VIZIO VU32L
HDTV10A_AUO/LPL**

V, Inc

320A Kalmus Drive Costa Mesa, CA 92626

TEL : +714-668-0588 FAX :+714-668-9099

Top Confidential

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1. Main Board Circuit Diagram
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 3. Assembly Explosion Drawing
- Block Diagram

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FCC INFORMATION

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause unacceptable interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures -- reorient or relocate the receiving antenna; increase the separation between equipment and receiver; or connect the into an outlet on a circuit different from that to which the receiver is connected.

FCC WARNING

To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to Amtrak products will void the user's authority to operate this device. Thus VINC Will not be held responsible for the product and its safety.

CE CERTIFICATION

This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility."

SAFETY CAUTION

Use a power cable that is properly grounded. Always use the AC cords as follows – USA (UL); Canada (CSA); Germany (VDE); Switzerland (SEV); Britain (BASEC/BS); Japan (Electric Appliance Control Act); or an AC cord that meets the local safety standards.

Chapter 1 Features

1. Built in TV channel selector for TV viewing.
2. Simultaneous display of PC and TV images.
3. Connectable to PC's analog RGB port.
4. Built in S-video, HDTV, composite video, HDMI and TV out.
5. Built in auto adjust function for automatic adjustment of screen display.
6. Smoothing function enables display of smooth texts and graphics even if image with resolution lower than 1366x768 is magnified.
7. Advanced video functions for personal favor.
8. Power saving to reduce consumption power too less than 0.5W.
9. On Screen Display: user can define display mode (i.e. color, brightness, contrast, sharpness, backlight), sound setting, TV channel program, aspect and gamma or reset all setting.

Chapter 2 Specification

1. TFT-LCD CHARACTERISTICS

LPL LC320WXN-SAC1

Item	Specification
Display Pixels	1,366 (H) x 768 (V) pixels
Pixel Pitch	170.25 um(H) x 510.75 um(V) x RGB
Color Depth	8 bits 16.7 million colors
Active Display Area	697.685 mm(H)X392.256 mm(V)
Brightness (panel spec)	400cd/m ² (typ)
Contrast ratio (panel spec)	900:1
Color coordinates (typical)	
White	x=0.279±0.03, y=0.292±0.03
Red	x=0.628±0.03, y=0.343±0.03
Green	x=0.290±0.03, y=0.612±0.03
Blue	x=0.146±0.03, y=0.062±0.03

LPL LC320WXN-SAC2

Item	Specification
Display Pixels	1,366 (H) x 768 (V) pixels
Pixel Pitch	0.51075 mm
Color Depth	8 bits 16.7 million colors
Active Display Area	697.685 (H) x 392.256(V)
Brightness (panel spec)	500 cd/m ² (typ)
Contrast ratio (panel spec)	1500:1
Color coordinates (typical)	
White	x=0.28±0.03, y=0.29±0.03
Red	x=0.64±0.03, y=0.33±0.03
Green	x=0.29±0.03, y=0.60±0.03
Blue	x=0.15±0.03, y=0.06±0.03

AUO T315XW02 VL

Item	Specification
Display Pixels	1,366 (H) x 768 (V) pixels
Pixel Pitch	0.51075(H)X0.17025(W)*3
Color Depth	8 bits 16.7 million colors
Active Display Area	697.6845(H)X392.256(V)
Brightness (panel spec)	450cd/m ² (typ)
Contrast ratio (panel spec)	1500:1
Color coordinates (typical)	
White	x=0.28±0.03, y=0.29±0.03
Red	x=0.642±0.03, y=0.33±0.03
Green	x=0.283±0.03, y=0.602±0.03
Blue	x=0.145±0.03, y=0.062±0.03

2. TFT-LCD OPTICAL CHARACTERISTICS

Contrast ratio :CR : 1100(Typ)

Surface Luminance, White: 500 cd/m² (Typ)

Luminance Variation, δ =1.3 (Max)

Response Time = 5 ms (Max=10ms)

Viewing Angle (CR>10)

Left: 89°typ.

Right: 89°typ.

Top: 89°typ.

Bottom: 89°typ.

3. Input Connectors

Video Inputs

1x RF (Combo, F Connector for internal NTSC /ATSC/QAM Tuner)

3x HDMI with HDCP plus Stereo Analog Audio

2x Component YPbPr plus Stereo Audio

2x Composite Video plus Stereo Audio

1x S-Video plus Stereo Audio

1x Analog RGB plus Stereo Audio

4 x Stereo RCA Jack (R/L), 1 x PC Mini-Jack

USB firmware update

Audio Input

1x Stereo Audio (RCA)

1x PC mini jack

4. POWER SUPPLY

Input Voltage Level: 120 Vac, 50/ 60 Hz

Power Consumption: 200W MAXPower OFF: to less than 0.5W MAX

5. Speaker

Output 10W (max) X2

6. ENVIRONMENT

Operating Temperature: 5c~35c (Ambient)

Operating Humidity: Ta= 35 °C, 90%RH (Non-condensing)

Operating Altitude: 0 - 14,000 feet (4267.2m)(Non-Operating)

7. DIMENSIONS (Physical dimension)

Width: 877 mm. +/- 20 mm

Depth: 55.5 mm +/- 20 mm

Height: 516.8 mm +/- 20 mm

8. WEIGHT (Physical weight)

a. Net: 19.12

b. Gross: 23.81

Precaution

Please pay attention to the followings when you use this TFT LCD module.

1. OPERATING PRECAUTIONS

(1) The spike noise causes the mis-operation of circuits. It should be lower than following voltage :

$V=\pm 200\text{mV}$ (Over and under shoot voltage)

(2) Response time depends on the temperature. (In lower temperature, it becomes longer.)

-
- (3) Brightness depends on the temperature. (In lower temperature, it becomes lower.) And in lower temperature, response time (required time that brightness is stable after turned on) becomes longer.
 - (4) Be careful for condensation at sudden temperature change. Condensation makes damage to polarizer or electrical contacted parts. And after fading condensation, smear or spot will occur.
 - (5) When fixed patterns are displayed for a long time, remnant image is likely to occur.
 - (6) Module has high frequency circuits. System manufacturers shall do sufficient suppression to the electromagnetic interference. Grounding and shielding methods may be important to minimize the interference.

2. HANDLING PRECAUTIONS FOR PROTECTION

- (1) The protection film is attached to the bezel with a small masking tape. When the protection film is peeled off, static electricity is generated between the film and polarizer. This should be peeled off slowly and carefully by people who are electrically grounded and with well ion-blown equipment or in such a condition, etc.
- (2) When the module with protection film attached is stored for a long time, sometimes there remains a very small amount of glue still on the bezel after the protection film is peeled off.
- (3) You can remove the glue easily. When the glue remains on the bezel surface or its vestige is recognized, please wipe them off with absorbent cotton waste or other soft material like chamois soaked with normal-hexane.

Chapter 3 On Screen Display

On Screen Display (OSD) is a friendly interface providing the function adjusting in our system. Customers could operate it only by few buttons. There is the introduction of the OSD.

Main unit button

MENU	OK
CH ▲	↑
CH ▼	↓
VOL +	←
VOL -	→
Input	

[MENU]

“MENU” button could star the OSD which could adjust the performance and set up the setting between the different input sources. There are the structures.

TV Source

A. PICTURE ADJUST :

- a. PICTURE MODE (CUSTOM/STANDARD/
MOVIE/GAME/VIVID/FOOTBALL/GOLF/BASKETBALL/BASEBALL)
- b. BACKLIGHT (0~100)
- c. BRIGHTNESS (0~100)
- d. CONTRAST (0~100)
- e. COLOR (0~100)
- f. TINT (-32~+32)
- g. SHARPNESS (0~7)
- h. ADVANCED VIDEO
- i. RESET PICTURE MODE



B. AUDIO ADJUST :

- a. AUDIO Mode (FLAT/ROCK/POP/CLASSIC/JAZZ/)
- b. EQUALIZER
- c. BALANCE (-50~+50)
- d. SURROUND (ON/OFF)
- e. DIGITAL AUDIO OUT (PCM/OFF/DOBLY DIGITAL)
- f. SPEAKERS (ON/OFF)
- g. AUDIO OUT (FIXED/VARIABLE)
- h. LIP SYNC(0~5)
- i. RESET AUDIO MODE



C. TV : ATV

- a. TUNER MODE(ANTENNA/CABLE)
- b. AUTO SEARCH
- c. PARTIAL CHANNEL SEARCH
- d. SKIP CHANNEL
- e. MTS(STEREO/SAP/MONO)
- f. TIME ZONE (EASTERN/ATLANTIC/INDIANA/
- g. CENTRAL/MOUNTAIN/ARIZONA/
- h. NEWFOUNDLAND/PACIFIC/ALASKA/ HAWAII)
- i. DAYLIGHT SAVING(ON/OFF)



D. TV : DTV

- a. TUNER MODE(ANTENNA/CABLE)
- b. AUTO SEARCH
- c. PARTIAL CHANNEL SEARCH
- d. SKIP CHANNEL
- e. MTS(LANGUAGE1/LANGUAGE2/
- f. LANGUAGE3)
- g. TIME ZONE (EASTERN/ATLANTIC/INDIANA/
- h. CENTRAL/MOUNTAIN/ARIZONA/
- i. NEWFOUNDLAND/PACIFIC/ALASKA/
- j. HAWAII)
- k. DAYLIGHT SAVING(ON/OFF)



E. SETUP : (ATV only)

- a. LANGUAGE (ENGLISH/FRANCAIS/ ESPANOL)
- b. SLEEP TIMER(OFF/30 MINUTES/60 MINUTES/90 MINUTES/120 MINUTES)
- c. WIDE(WIDE/PANORAMIC/NORMAL)
- d. INPUT NAMING
- e. CC(CC ON MUTE/CC/DIGITAL CC STYLE)
- f. H/V POSITION (H.POSITION/V.POSITION/ H.SIZE/V.SIZE)
- g. PARENTAL
- h. RESET ALL SETTING



F. SETUP : (DTV only)

a. LANGUAGE (ENGLISH/FRANCAIS/ ESPANOL)

b. SLEEP TIMER(OFF/30 MINUTES/60 MINUTES/90 MINUTES/120 MINUTES)

c. WIDE(WIDE/PANORAMIC/NORMAL)

d. INPUT NAMING

e. CC(CC ON MUTE/CC/DIGITAL CC STYLE)

f. RESET ALL SETTING



-
- G. PARENTAL : (ATV & DTV)
 - a. CHANNEL BLOCK
 - b. US TV RATING
 - c. US MOVIE RATING
 - d. CANADIAN ENGLISH RATING
 - e. CANADIAN FRENCH RATING
 - f. DTV RATING
 - g. BLOCK TV UNRATED (NO/YES)
 - h. ACCESS CODE EDIT



H. ADVANCED VIDEO : (ATV & DTV)

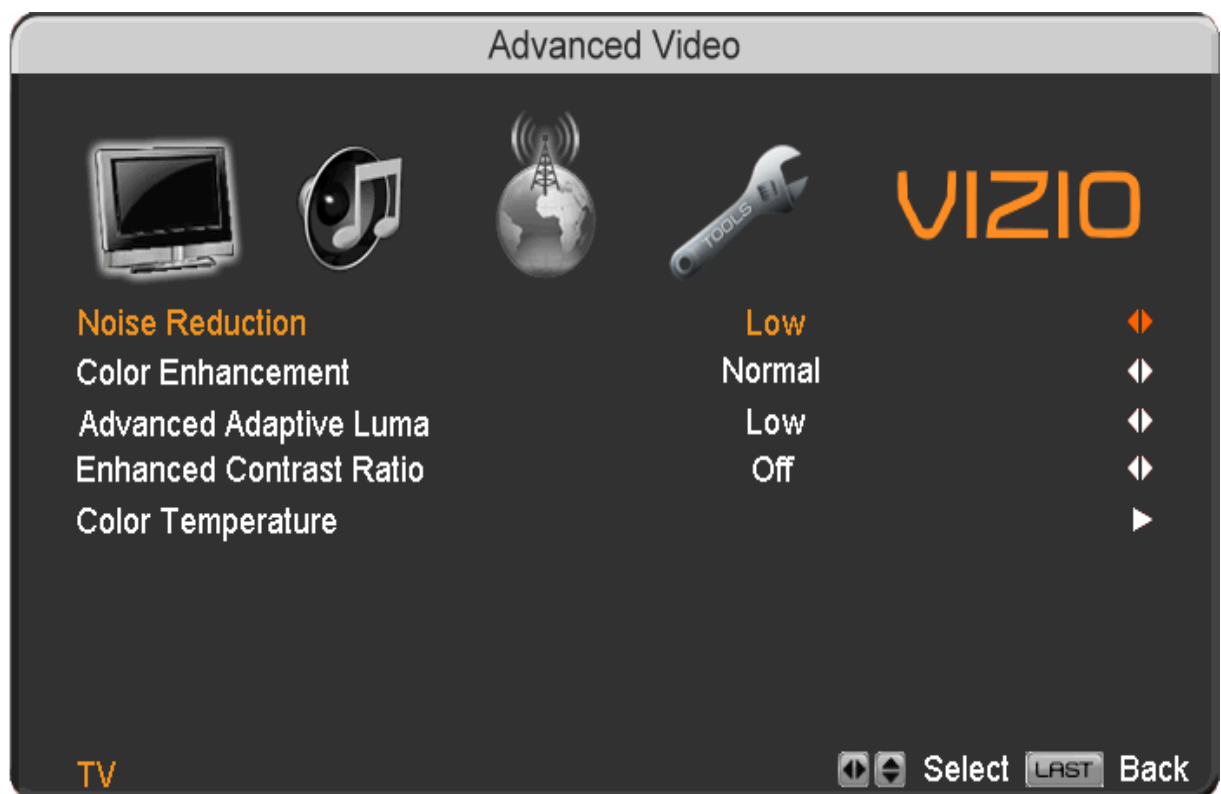
a. NOISE REDUCTION (LOW/ MEDIUM/ STRONG/OFF)

b. COLOR ENHANCEMENT(NORMAL/RICH COLOR/GREEN FLESH/GREEN BLUE/OFF)

c. ADVANCED ADAPTIVE LUMA(LOW/ MEDIUM/STRONG/EXTEND/OFF)

d. ENHANCED CONTRAST RATIO (OFF/ON)

e. COLOR TEMPERATURE



I. DTV RATING

→ U.S. (50 STATES + POSSESSIONS):

- a. ENTIRE AUDIENCE
- b. DIALOGUE
- c. LANGUAGE
- d. SEX
- e. VIOLENCE
- f. CHILDREN
- g. FANTASY VIOLENCE
- h. MPAA



RGB Mode

A. PICTURE ADJUST :

- a. AUTO ADJUST
- b. BACKLIGHT (0~100)
- c. BRIGHTNESS (0~100)
- d. CONTRAST (0~100)
- e. COLOR TEMPERATURE (9300/6500/CUSTOM)
- f. H-SIZE (0~255)
- g. H.POSITION (0~100)
- h. V.POSITION (0~100)
- i. FINE TUNE (0~31)



B. AUDIO ADJUST :

- a. AUDIO Mode (FLAT/ROCK/POP/CLASSIC/JAZZ/)
- b. EQUALIZER
- c. BALANCE (-50~+50)
- d. SURROUND (ON/OFF)
- e. DIGITAL AUDIO OUT (PCM/OFF/DOBLY DIGITAL)
- f. SPEAKERS (ON/OFF)
- g. AUDIO OUT (FIXED/VARIABLE)
- h. LIP SYNC(0~5)
- i. RESET AUDIO MODE



C. SETUP :

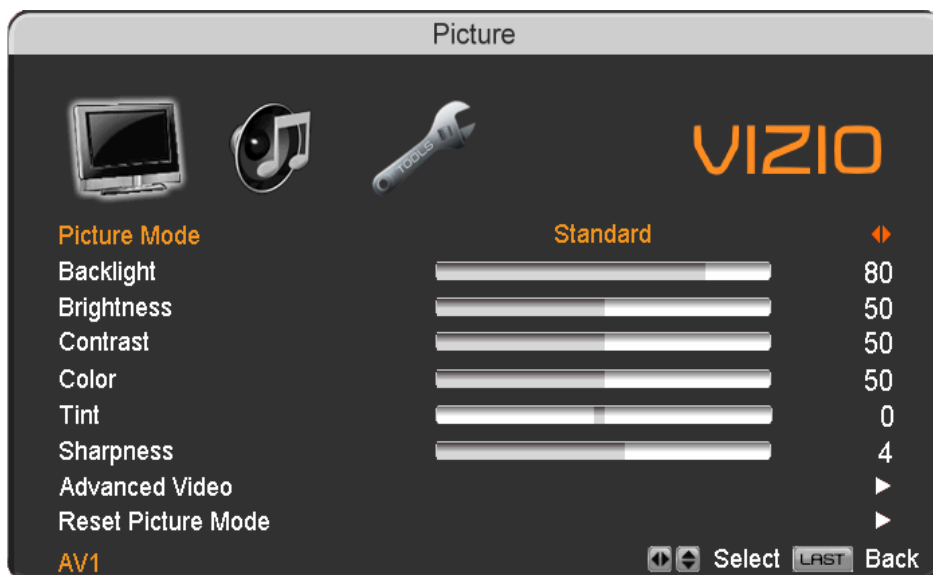
- a. LANGUAGE (ENGLISH/FRANCAIS/ ESPANOL)
- b. SLEEP TIMER(OFF/30 MINUTES/60 MINUTES/90 MINUTES/120 MINUTES)
- c. WIDE(WIDE/PANORAMIC/NORMAL)
- d. INPUT NAMING
- e. RESET ALL SETTING



AV / COMPONENT MODE

A. PICTURE ADJUST :

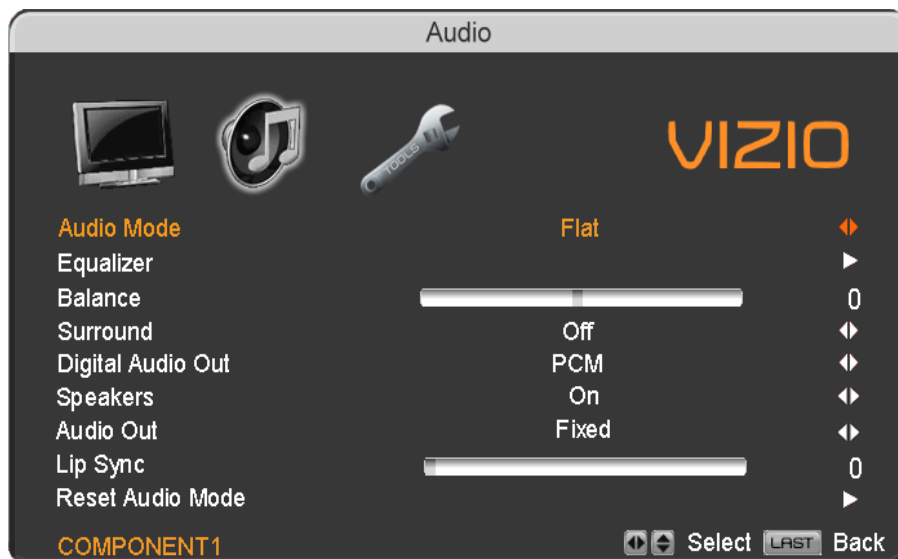
- a. PICTURE MODE (CUSTOM/STANDARD/
MOVIE/GAME/VIVID/FOOTBALL/GOLF/BASKETBALL/BASEBALL)
- b. BACKLIGHT (0~100)
- c. BRIGHTNESS (0~100)
- d. CONTRAST (0~100)
- e. COLOR (0~100)
- f. TINT (-32~+32)
- g. SHARPNESS (0~7)
- h. ADVANCED VIDEO
- i. RESET PICTURE MODE





B. AUDIO ADJUST :

- a. AUDIO Mode(FLAT/ROCK/POP/CLASSIC/JAZZ/)
- b. EQUALIZER
- c. BALANCE (-50~+50)
- d. SURROUND (ON/OFF)
- e. DIGITAL AUDIO OUT (PCM/OFF/DOBLY DIGITAL)
- f. SPEAKERS (ON/OFF)
- g. AUDIO OUT (FIXED/VARIABLE)
- h. LIP SYNC(0~5)
- i. RESET AUDIO MODE



C. SETUP :

- a. LANGUAGE (ENGLISH/FRANCAIS/ESPANOL)
- b. SLEEP TIMER(OFF/30 MINUTES/60 MINUTES/90 MINUTES/120 MINUTES)
- c. WIDE(WIDE/PANORAMIC/NORMAL)
- d. INPUT NAMING
- e. CC(CC ON MUTE/CC/DIGITAL CC STYLE)
- f. H/V POSITION (H.POSITION/V.POSITION/ H.SIZE/V.SIZE)
- g. PARENTAL
- h. RESET ALL SETTING



D. PARENTAL CONTROL :

- a. CHANNEL BLOCK
- b. US TV RATING
- c. US MOVIE RATING
- d. CANADIAN ENGLISH RATING
- e. CANADIAN FRENCH RATING
- f. DTV RATING

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g. BLOCK UNRATED TV(YES/NO)

h. ACCESS CODE EDIT



E. ADVANCED VIDEO :

- a. NOISE REDUCTION (LOW/ MEDIUM/ STRONG/OFF)
- b. COLOR ENHANCEMENT(NORMAL/RICH COLOR/GREEN FLESH/GREEN BLUE/OFF)
- c. ADVANCED ADAPTIVE LUMA(LOW/ MEDIUM/STRONG/EXTEND/OFF)
- d. ENHANCED CONTRAST RATIO (OFF/ON)
- e. COLOR TEMPERATURE





HDMI MODE

A. PICTURE ADJUST :

- a. PICTURE MODE (CUSTOM/STANDARD/
MOVIE/GAME/VIVID/FOOTBALL/GOLF/BASKETBALL/BASEBALL)
- b. BACKLIGHT (0~100)
- c. BRIGHTNESS (0~100)
- d. ONTRAST (0~100)
- e. COLOR (0~100)
- f. TINT (-32~+32)
- g. SHARPNESS (0~7)
- h. ADVANCED VIDEO
- i. RESET PICTURE MODE



B. AUDIO ADJUST :

- a. AUDIO Mode (FLAT/ROCK/POP/CLASSIC/JAZZ/)
- b. EQUALIZER
- c. BALANCE (-50~+50)
- d. SURROUND (ON/OFF)
- e. DIGITAL AUDIO OUT (PCM/OFF/DOBLY DIGITAL)
- f. SPEAKERS (ON/OFF)
- g. AUDIO OUT (FIXED/VARIABLE)
- h. LIP SYNC(0~5)
- i. ESET AUDIO MODE



C. SETUP :

- a. LANGUAGE (ENGLISH/FRANCAIS/ ESPANOL)
- b. SLEEP TIMER(OFF/30 MINUTES/60 MINUTES/90 MINUTES/120 MINUTES)
- c. WIDE(WIDE/PANORAMIC/NORMAL)
- d. INPUT NAMING
- e. H/V POSITION (H.POSITION/V.POSITION/ H.SIZE/V.SIZE)
- f. RESET ALL SETTING



D. ADVANCED VIDEO :

- a. NOISE REDUCTION (LOW/ MEDIUM/ STRONG/OFF)
- b. COLOR ENHANCEMENT(NORMAL/RICH COLOR/GREEN FLESH/GREEN BLUE/OFF)
- c. ADVANCED ADAPTIVE LUMA(LOW/ MEDIUM/STRONG/EXTEND/OFF)
- d. ENHANCED CONTRAST RATIO (OFF/ON)
- e. COLOR TEMPERATURE



[INPUT]

“INPUT” could supply an interface providing a list. The list shows input sources and provides the choices of different sources. The list includes items as below:

Input
TV
AV1
AV2
COMPONENT1
COMPONENT2
RGB
HDMI1
HDMI2
HDMI3

- A. TV: Analog TV or digital TV
- B. AV1, AV2: Composite (AV) signal
- C. Component1, Component2: Color difference (YPbPr) video signals.
- D. RGB: Video Graphics Array (VGA) or D-sub video signals.
- E. HDMI1, HDMI2,HDMI3 :High Definition Multimedia Interface (HDMI) multimedia signals.

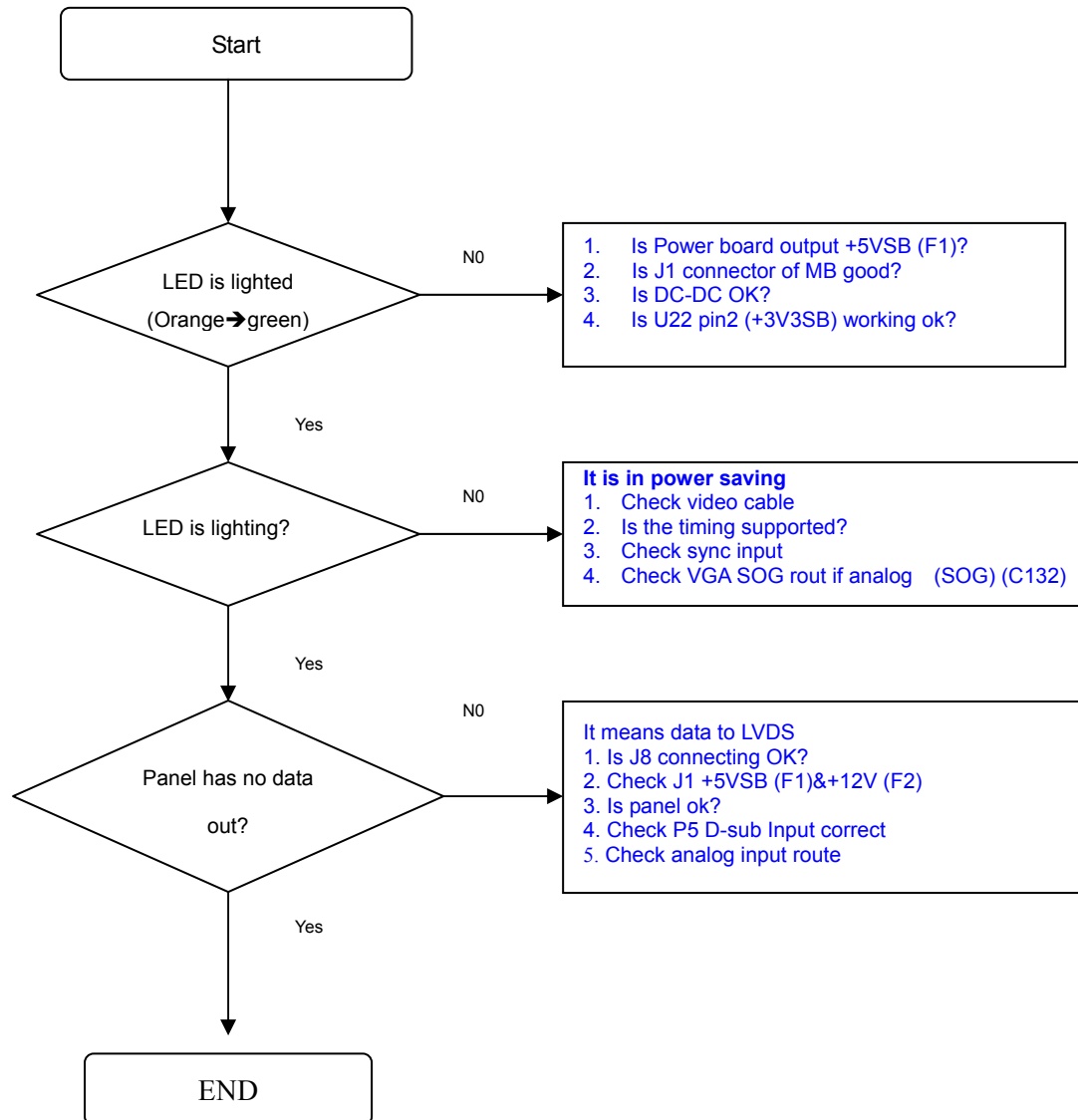
[INFO]

“INFO” button could show an information bar which displays the information about the input signal on our LCD TV.

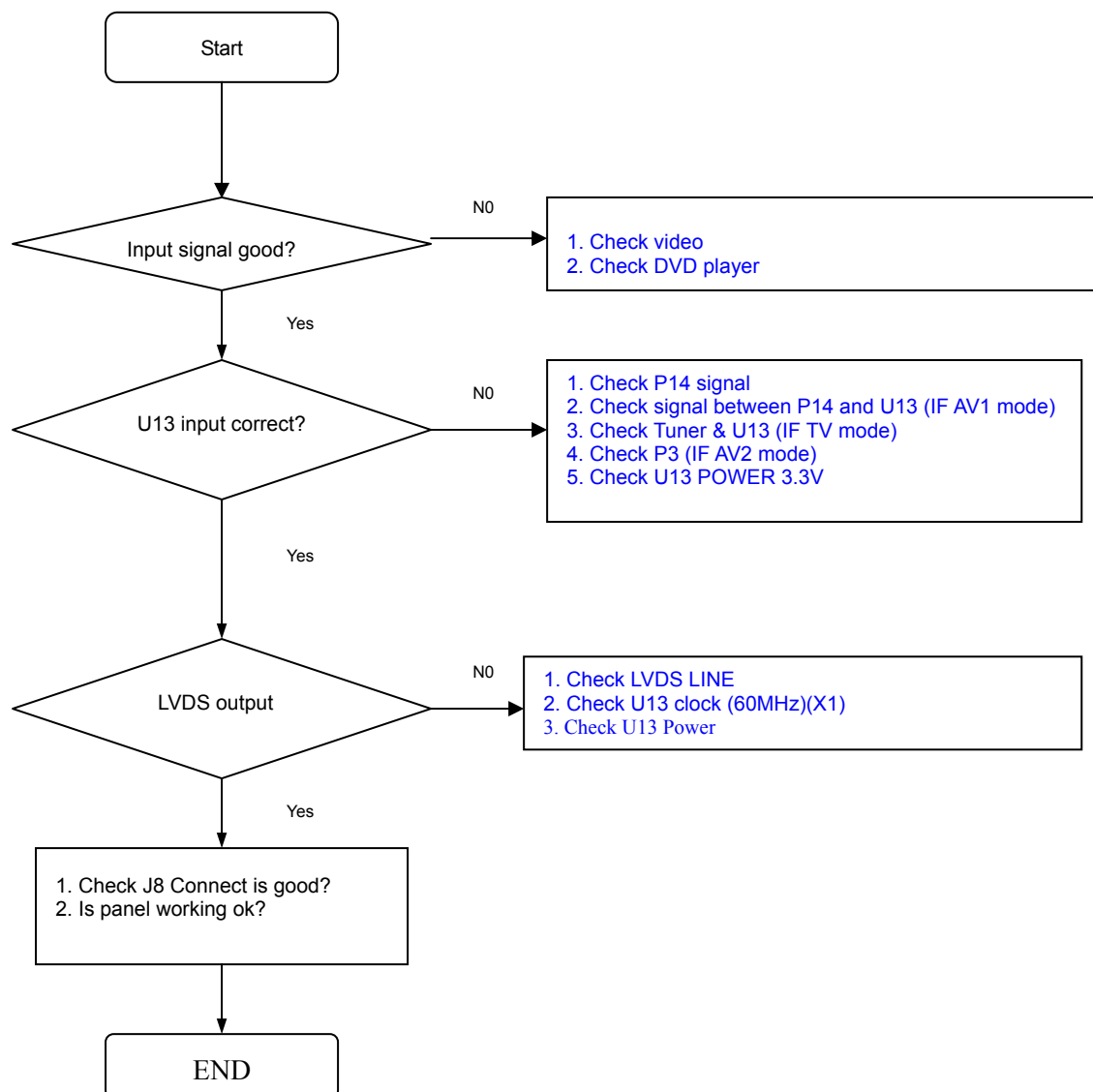
Charmed		20-2	
11:00 PM - 12:00 AM		KBWB-SD	
TV-14-V	CC	English stereo	Cable
		480i SD	

Chapter 9 Trouble shooting

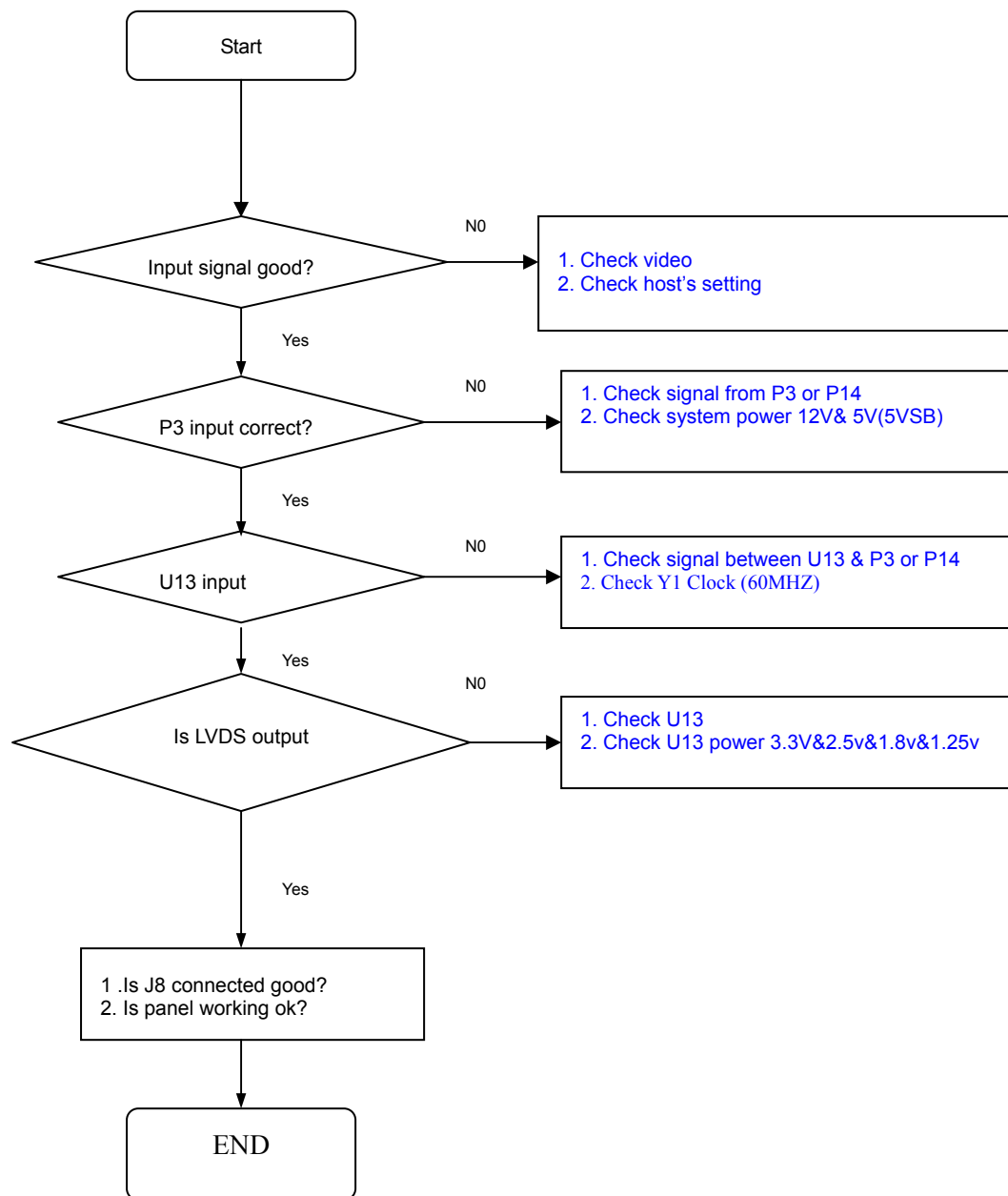
MONITOR DISPLAY NOTHING (PC MODE)



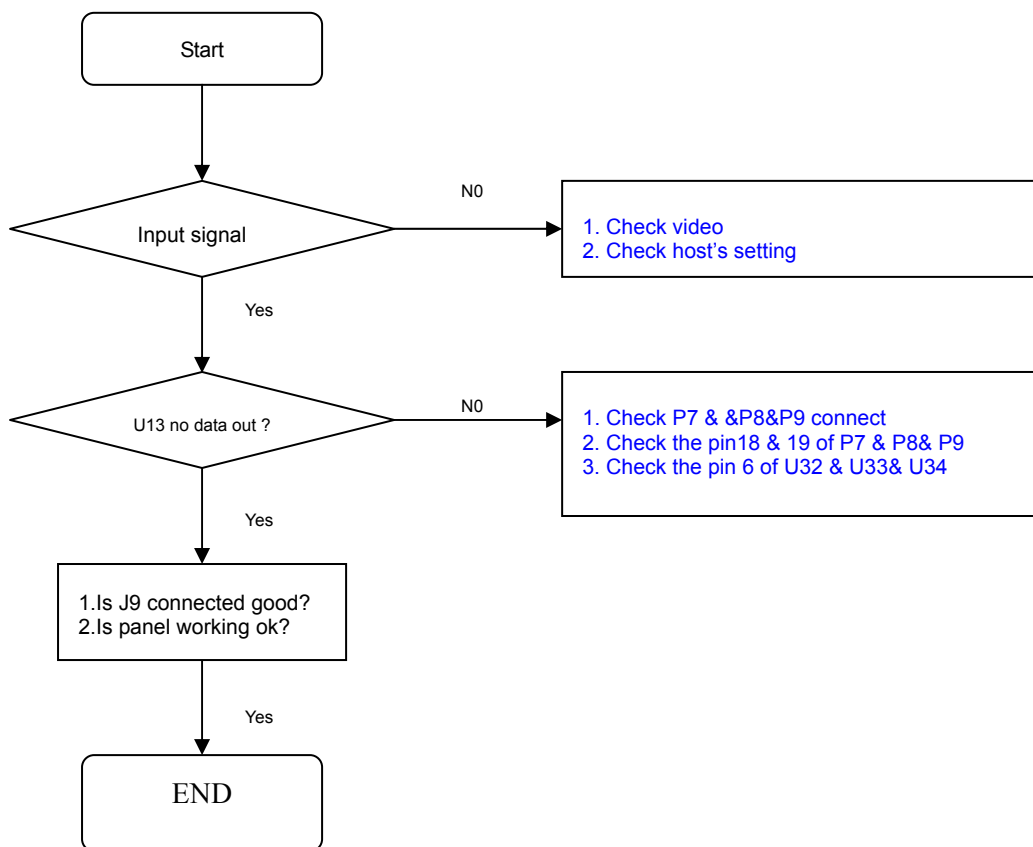
(TV, COMPOSITE VIDEO1, 2, S-VIDEO) IS NOT DISPLAY CORRECTLY



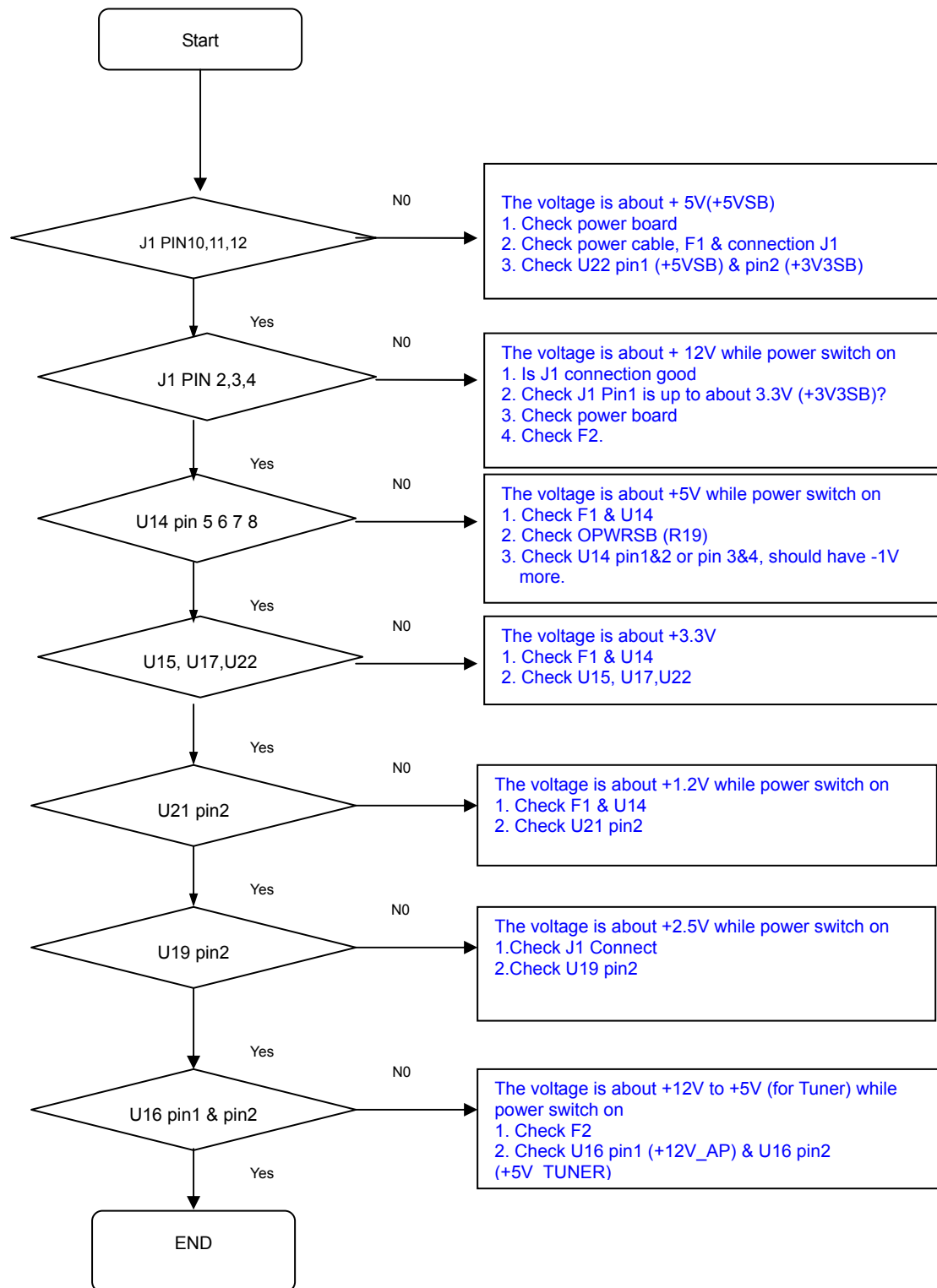
(COMPONENT1, 2) IS NOT DISPLAY CORRECTLY



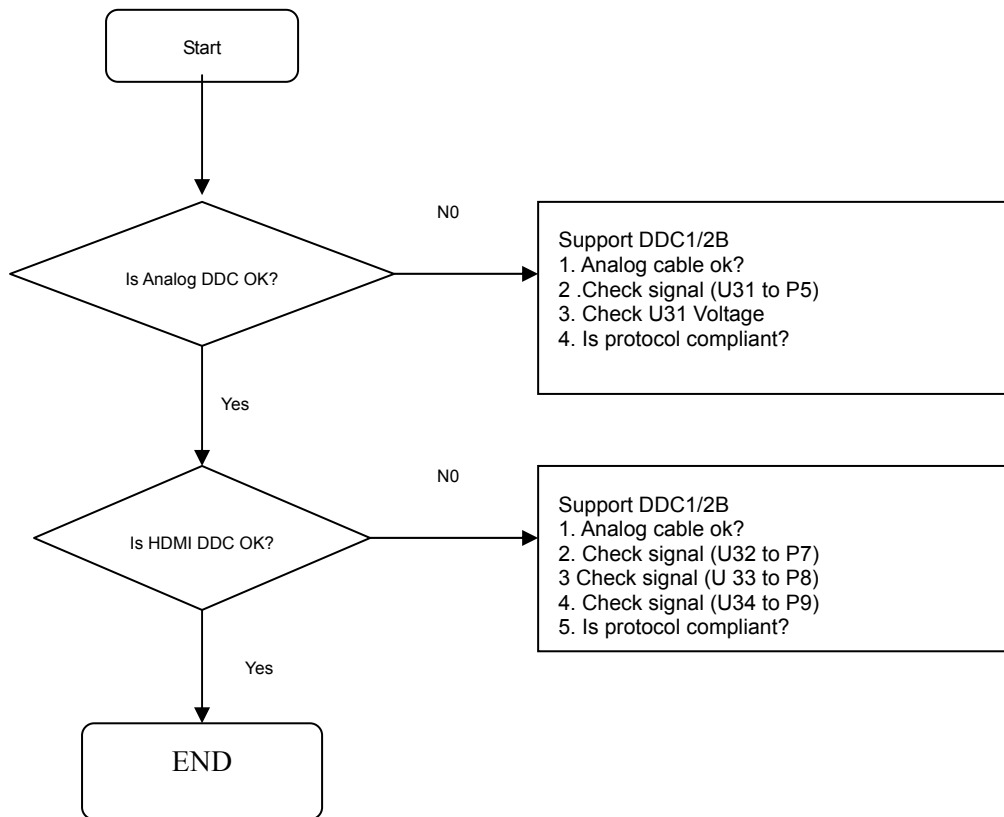
(HDMI) IS NOT DISPLAY CORRECTLY



TROUBLE OF DC-DC CONVERTER



TROUBLE OF EDID READING

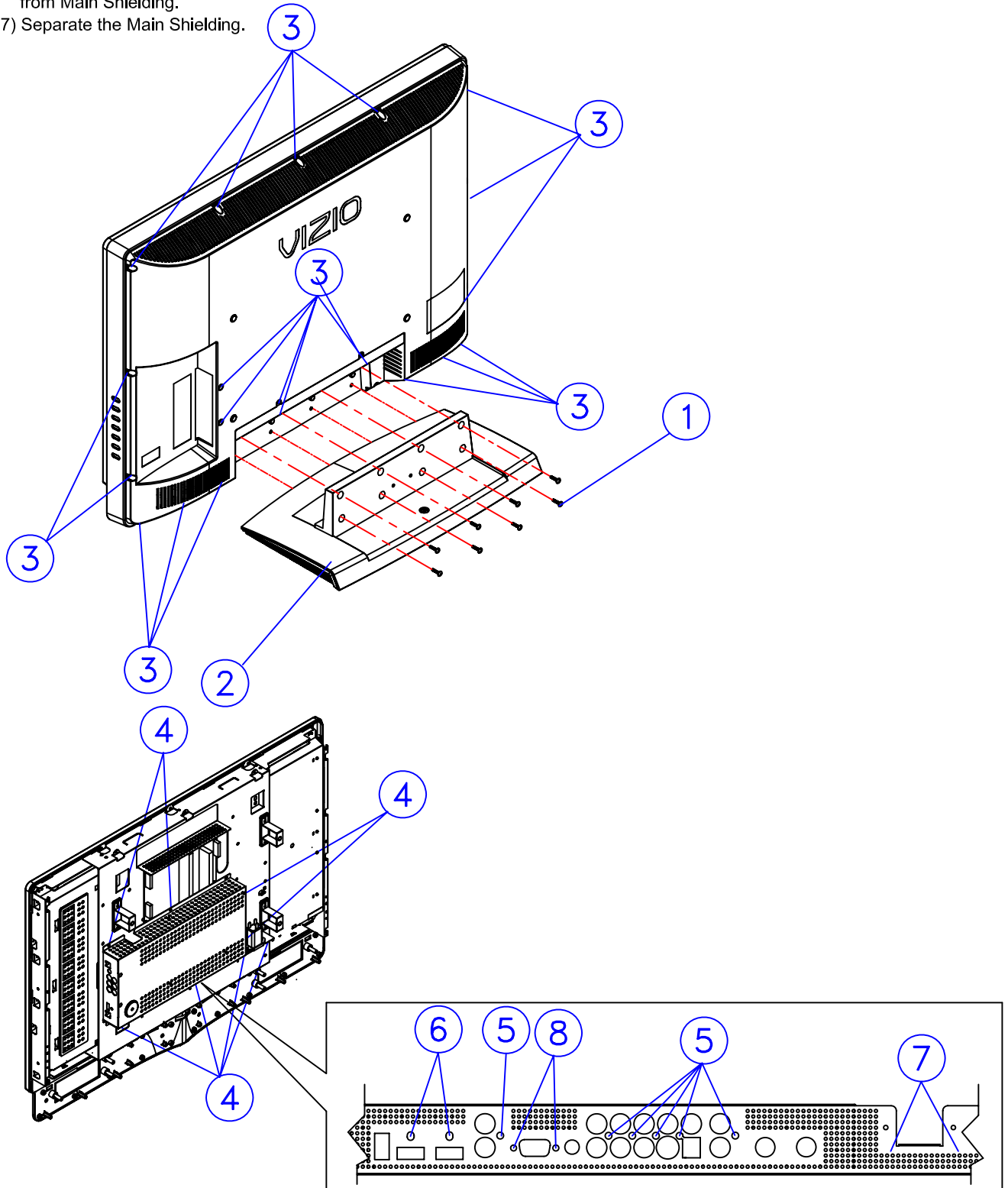


DISASSEMBLY INSTRUCTIONS

1. REAR COVER ASS'Y REMOVAL

Note: Spread a mat underneath to avoid damaging the TV surface.

- 1) Remove eight screws ① from Base Ass'y ②.
- 2) Separate the Base Ass'y ②.
- 3) Remove twenty one screws ③ from rear cover.
- 4) Separate the rear cover.
- 5) Remove nine screws ④ from Main shielding.
- 6) Remove six screws ⑤, two screws ⑥, two screws ⑦, and two hexagon screws ⑧ from Main Shielding.
- 7) Separate the Main Shielding.

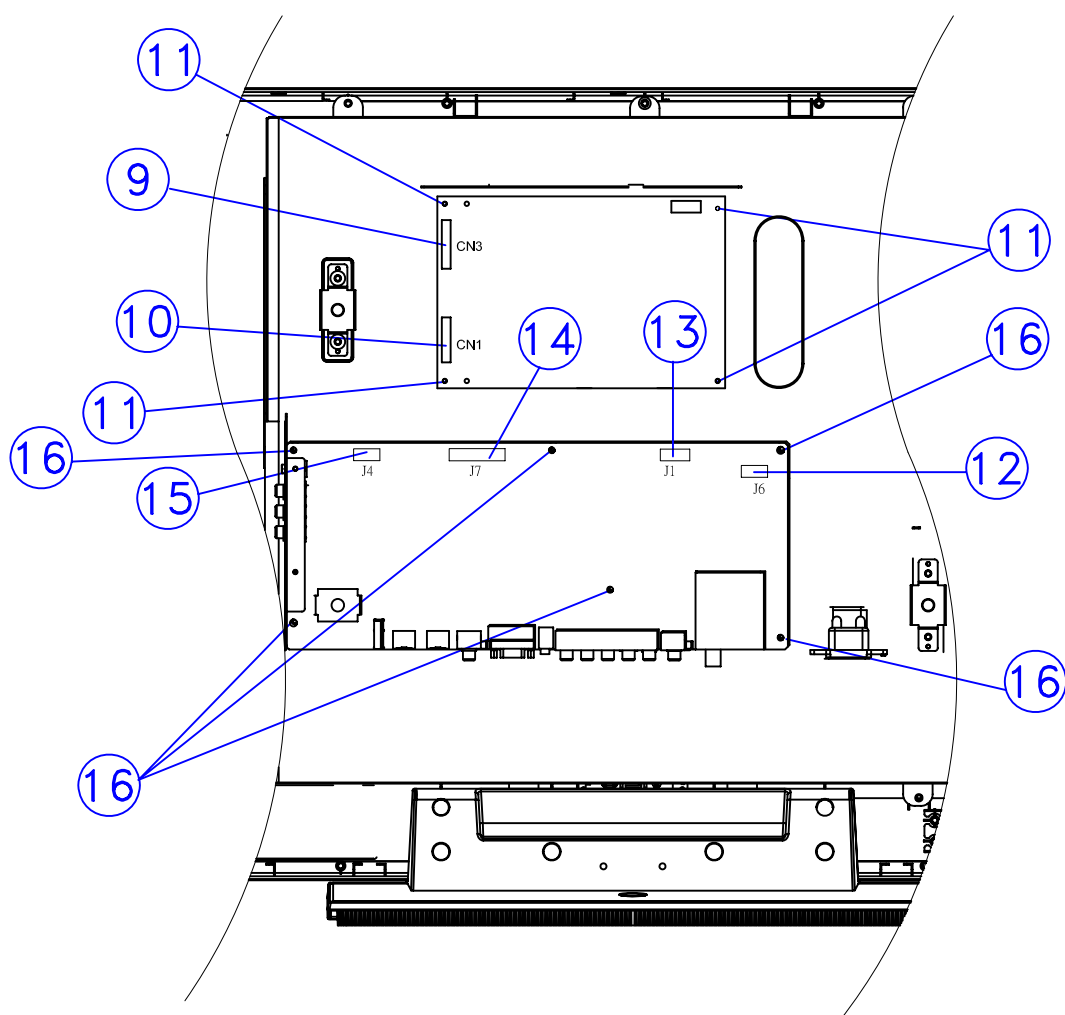


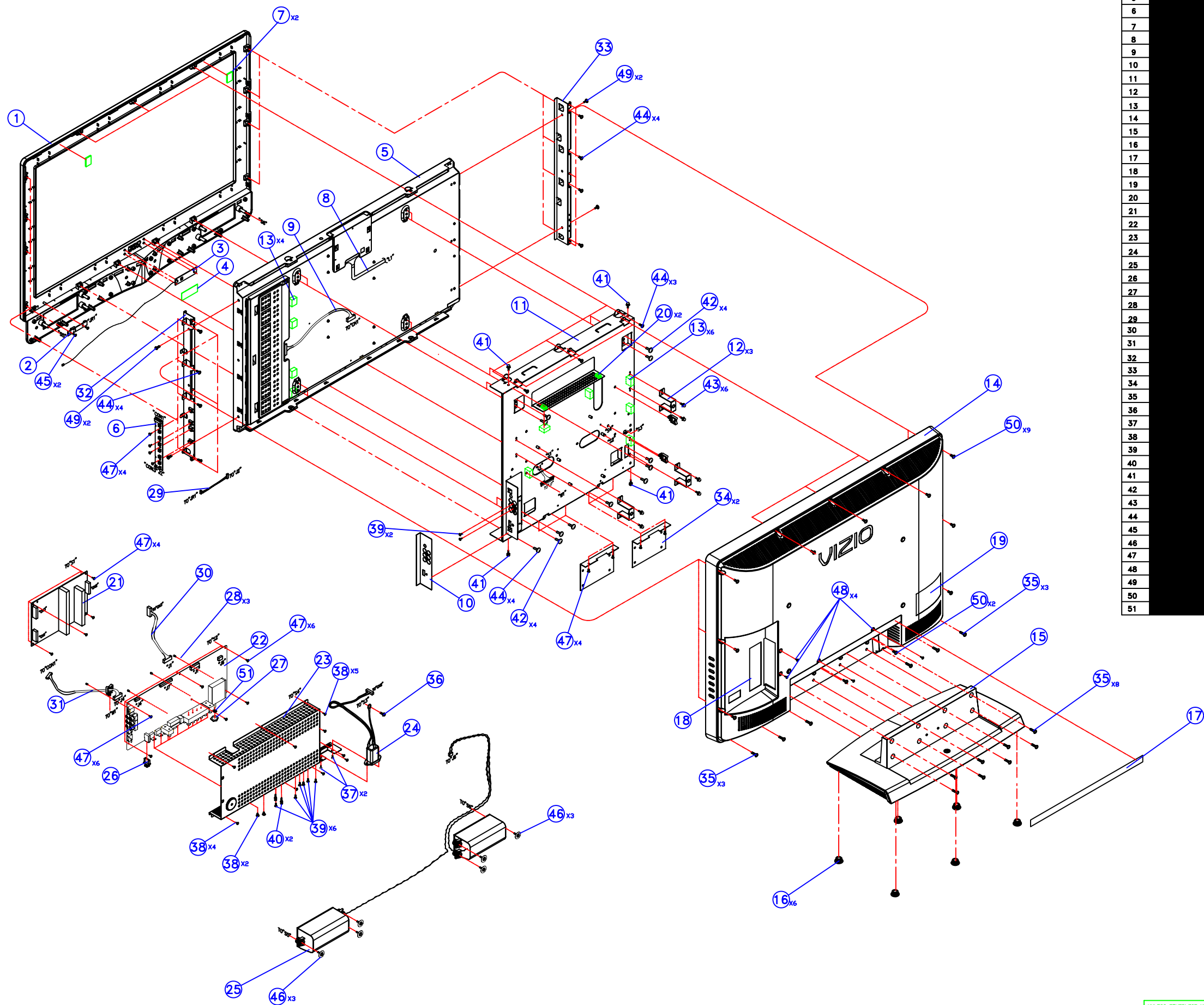
2. POWER BD ASS'Y REMOVAL

- 1) Remove the connector ⑨ (CN3) of the MB cable.
- 2) Remove the connector ⑩ (CN1) of the inverter cable.
- 3) Remove four screws ⑪ from Power BD ASS'Y .
- 4) Separate the Power BD ASS'Y .

3. MAIN BD ASS'Y REMOVAL

- 1) Remove the connector ⑫ (J6) of the speaker cable.
- 2) Remove the connector ⑬ (J1) of the Power cable.
- 3) Remove the connector ⑭ (J7) of the LVDS cable.
- 4) Remove the connector ⑮ (J4) of the Display cable.
- 5) Remove six screws ⑯ from MAIN BD .
- 6) Separate the MAIN BD .





ITEM	DESCRIPTION	QTY
1	FRONT BEZEL(VU32L)(ABS,94-HB,Plano BLK)ASS'Y	1
2	IR BD ASS'Y VU32L,VU37L HDTV10A	1
3	LED BACKLIGHT18*50 LYSB-4914W/SY-E 400mm	1
4	MYLAR(18.0*28.0*0.6t)(VX32L)	1
5	LCD MODULE 31.5" TFT T315XW02(VL)(ZBD)(AUT)	1
6	DISPLAY BD ASS'Y V042L FHDV10A	1
7	RUBBER PAD(13.5L*10.0W*12.5T)(VU32L)	2
8	WH P2407P30/P240430 20276#30 270mm	1
9	WH A2001-14P/A2543-12P 1007#24 270mm	1
10	SIDE JACK PLATE(V037L HDTV10A)	1
11	CHASSIS(SECC t=0.8mm)(VU32L)	1
12	WALL MOUNT SUPPORT(V037L HDTV10A)(M6)	3
13	GASKET BLOCK(20.0L*13.0W*21.0H)	10
14	REAR COVER ASS'Y(VU32L)(ABS 94-5V,BLACK)	1
15	BASE (VW32L)(ABS 94-HB T52013)	1
16	BASE FOOT(TM-32V)	6
17	REAR PLATE(VU32L HDTV10A)	1
18	SIDE PLATE(V037L HDTV10A)	1
19	B/C LBL(VU32L HDTV10A)	1
20	WIRE SADDLE(CH-02)	2
21	POWER BD ASS'Y DPS-172DP A LF	1
22	MAIN BD ASS'Y VU32L HDTV10A_AUO_VP(HDCP)	1
23	MAIN SHIELD(SECC T=0.8)(VU2L)	1
24	AC INLET+VHR5P 1617#22 380mm 1015#18 100mm	1
25	SPK BOX 10W 6ohm(155*56*58) 1.5way 870/570mm LF	1
26	USB CONNECTOR COVER(USBC-2)	1
27	NUT3/8" -32(W12.5*2.0t,Ni)(FOR TUNER)	1
28	SPACE SUPPORT(DCB-6.5)	3
29	WH A2001H02-4P/A2001H02-4P 1061#26 140mm	1
30	WHA2001-15P/A2543-13P 1007#24 680mm+CORE	1
31	WH A1251H02-10P/A1251H02-10P 1571#28 480mm	1
32	PANEL HOLDER_L(VX32L)	1
33	PANEL HOLDER_R(VX32L)	1
34	BKT FOR SUPPORT(VX32L)	2
35	TAP.SCREW-TP #4.0*16.0L, BLK-NI	-
36	MAC.SCREW-MPGW M4.0*8.0L,NI	-
37	MAC.SCREW-MF M3.0*8.0L,BLK,NI	-
38	MAC.SCREW-MB M3.0*6.0,BLK-NI	-
39	TAP.SCREW-TP#3.0X8.0L,BLK,NI	-
40	MAC.SCREW-MHSW #4-40*5.0L,NI	-
41	MAC.SCREW-MPSWF M4.0*14.0L,BLK-NI	-
42	MAC.SCREW-MPSWF M4.0*6.0L,BLK-NI	-
43	MAC.SCREW-MPSWF M4.0*8.0L,NI	-
44	TAP.SCREW-TP#4.0*8.0L,NI	-
45	TAP.SCREW-TB #3.0*8.0,NI	-
46	TAP.SCREW-TRF#4.0*12.0L,NI	-
47	MAC.SCREW-MPSWF M3.0*6.0L,NI	-
48	MAC.SCREW-MRF M3.0*6.0L,BLK-NI	-
49	MAC.SCREW-MI M4.0*8.0L,B;K-NI	-
50	MAC.SCREW-MB M4.0*10.0L, BLK-NI	-
51	INSULATOR(D16*d10*t11.2)(TRANSPARENT)	1

VIZIO VU32L HDTV10A_AUO

9632-8503-6143

THIRD ANGLE PROJECTION

MODEL No. VIZIO VU32L HDTV10A

AMTRAN TECHNOLOGY Co., LTD.

DATE: 4/15/08

DESIGN: OLIVE CHEN

CHK: [Signature]

SCALE: Full UNIT: MM

REV: 0 SHEET: 1 of 1

UNLESS OTHERWISE NOTED:
X1 = 10.0
X2 = 20.0
X3 = 30.0
X4 = 40.0
X5 = 50.0
X6 = 60.0

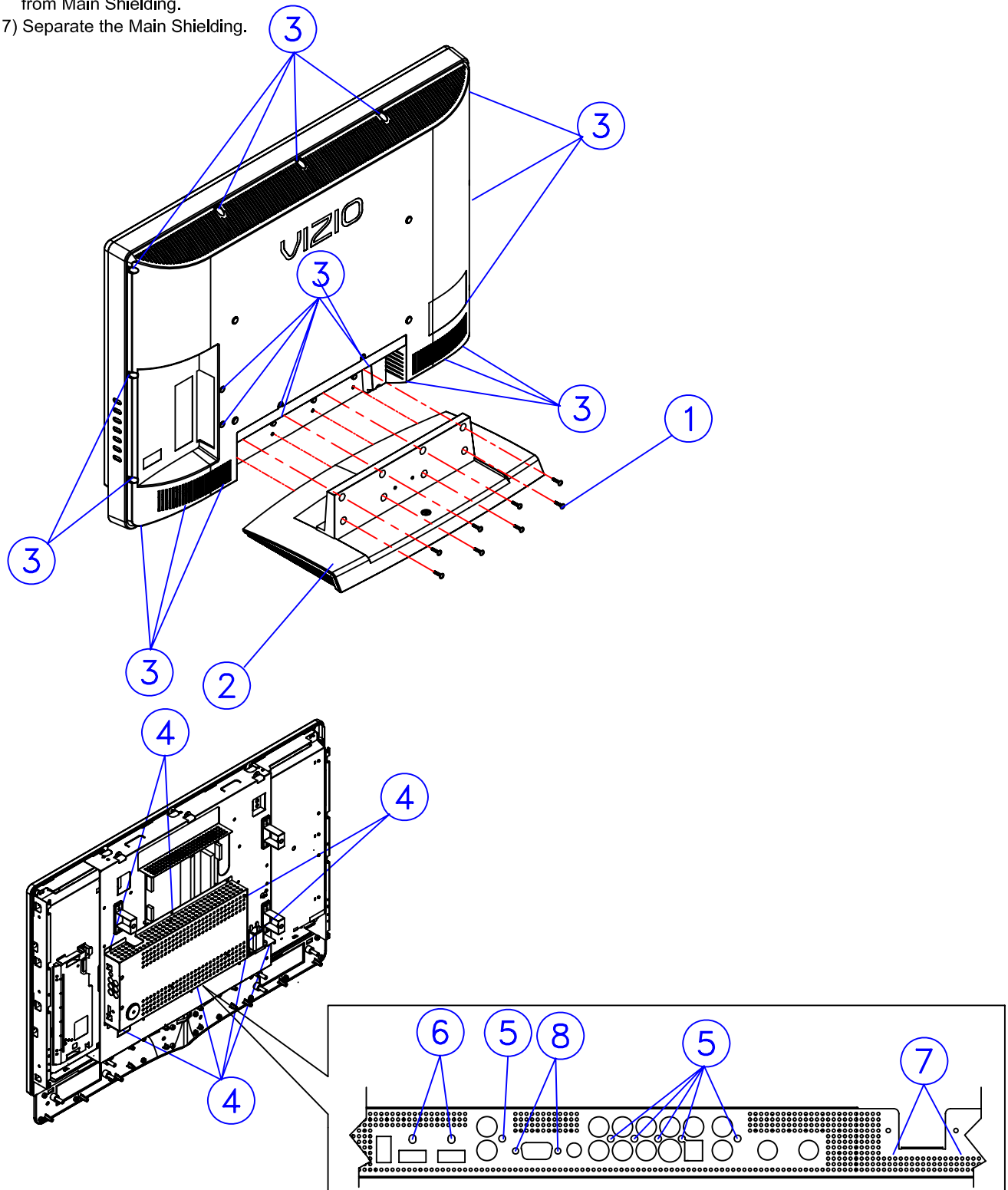
32" CASE ASS'Y

DISASSEMBLY INSTRUCTIONS

1. REAR COVER ASS'Y REMOVAL

Note: Spread a mat underneath to avoid damaging the TV surface.

- 1) Remove eight screws ① from Base Ass'y ②.
- 2) Separate the Base Ass'y ②.
- 3) Remove twenty one screws ③ from rear cover.
- 4) Separate the rear cover.
- 5) Remove nine screws ④ from Main shielding.
- 6) Remove six screws ⑤, two screws ⑥, two screws ⑦, and two hexagon screws ⑧ from Main Shielding.
- 7) Separate the Main Shielding.

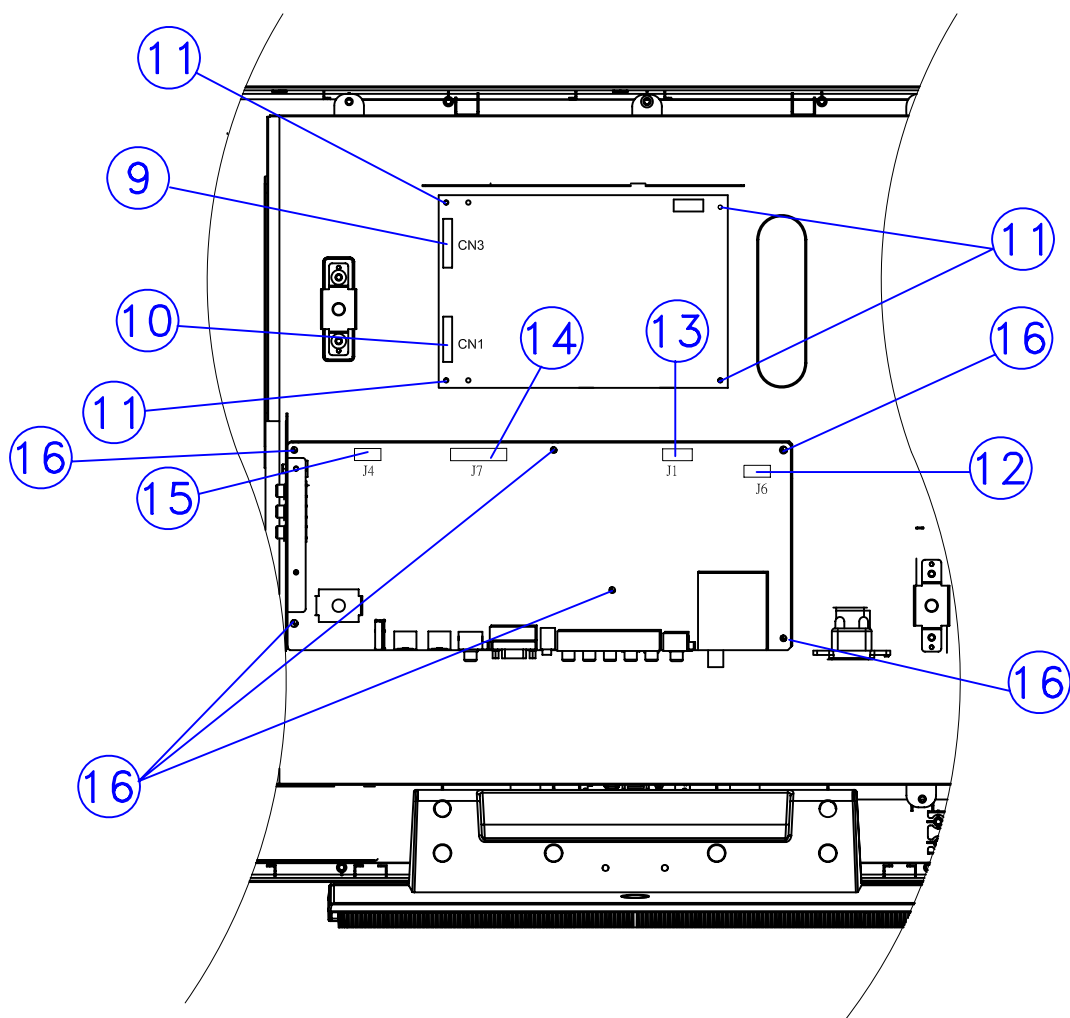


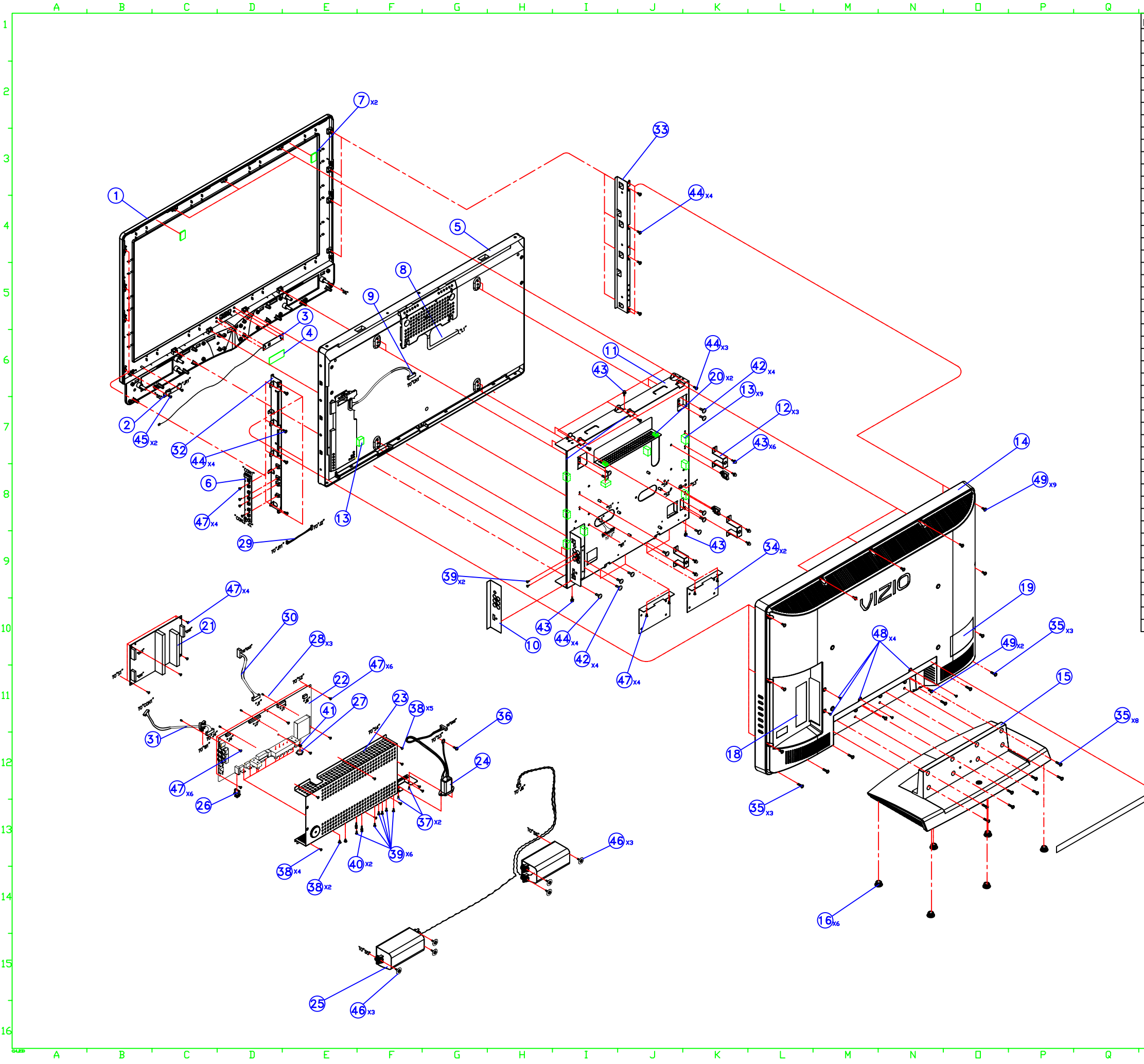
2. POWER BD ASS'Y REMOVAL

- 1) Remove the connector ⑨ (CN3) of the MB cable.
- 2) Remove the connector ⑩ (CN1) of the inverter cable.
- 3) Remove four screws ⑪ from Power BD ASS'Y .
- 4) Separate the Power BD ASS'Y .

3. MAIN BD ASS'Y REMOVAL

- 1) Remove the connector ⑫ (J6) of the speaker cable.
- 2) Remove the connector ⑬ (J1) of the Power cable.
- 3) Remove the connector ⑭ (J7) of the LVDS cable.
- 4) Remove the connector ⑮ (J4) of the Display cable.
- 5) Remove six screws ⑯ from MAIN BD .
- 6) Separate the MAIN BD .





ITEM	DESCRIPTION	QTY
1	FRONT BEZEL(VU32L)(ABS,94-HB,Plane BLK)ASS'Y	1
2	IR BD ASS'Y VU32L,VU37L HDTV10A	1
3	LED BACKLIGHT18*50 LYSB-4914W/SY-E 400mm	1
4	MYLAR(18.0*28.0*0.6t)(VX32L)	1
5	LCD MODULE 32.0" LC320WXN-SAC1(LH.PHILIPS_Nanjung)	1
6	DISPLAY BD ASS'Y V042L FHDV10A	1
7	RUBBER PAD(13.5L*10.0W*12.5T)(VU32L)	2
8	WH P2407P30/P240430 20276#30 270mm	1
9	WH A2001-14P/A2543-12P 1007#24 270mm	1
10	SIDE JACK PLATE(V037L HDTV10A)	1
11	CHASSIS(SECC t=0.8mm)(VU32L)	1
12	WALL MOUNT SUPPORT(V037L HDTV10A)(M6)	3
13	GASKET BLOCK(20.0L*13.0W*21.0H)	10
14	REAR COVER ASS'Y(VU32L)(ABS 94-HB,BLACK)	1
15	BASE (VW32L)(ABS 94-HB T52013)	1
16	BASE FOOT(TM-32V)	6
17	REAR PLATE(VU32L HDTV10A)	1
18	SIDE PLATE(V037L HDTV10A)	1
19	B/C LBL(VU32L HDTV10A)	1
20	WIRE SADDLE(CH-02)	2
21	POWER BD ASS'Y DPS-172DP A LF	1
22	MAIN BD ASS'Y VU32L HDTV10A_LC320WXN(HDCP)	1
23	MAIN SHIELD(SECC T=0.8)(VU2L)	1
24	AC INLET+VHR5P 1617#22 380mm 1015#18 100mm	1
25	SPK BOX 10W 6ohm(155*56*58) 1.5way 870/570mm LF	1
26	USB CONNECTOR COVER(USBC-2)	1
27	NUT3/8" -32(W12.5*2.0t,NI)(FOR TUNER)	1
28	SPACE SUPPORT(DCB-6.5)	3
29	WH A2001H02-4P/A2001H02-4P 1061#26 140mm	1
30	WHA2001-15P/A2543-13P 1007#24 680mm+CORE	1
31	WH A1251H02-10P/A1251H02-10P 1571#28 480mm	1
32	PANEL HOLDER_L(VX32L,VW32L)(for LPL_400nits)	1
33	PANEL HOLDER_R(VX32L,VW32L)(for LPL_400nits)	1
34	BKT FOR SUPPORT(VX32L)	2
35	TAP.SCREW-TP #4.0*16.0L, BLK-NI	-
36	MAC.SCREW-MPGW M4.0*8.0L,NI	-
37	MAC.SCREW-MF M3.0*8.0L,BLK,NI	-
38	MAC.SCREW-MB M3.0*6.0,BLK-NI	-
39	TAP.SCREW-TP#3.0X8.0L,BLK,NI	-
40	MAC.SCREW-MHSW #4-40*5.0L,NI	-
41	INSULATOR(D16*d10*1.2)(TRANSPARENT)	T
42	MAC.SCREW-MPSWF M4.0*6.0L,BLK-NI	-
43	MAC.SCREW-MPSWF M4.0*8.0L,NI	-
44	TAP.SCREW-TP#4.0*8.0L,NI	-
45	TAP.SCREW-TB #3.0*8.0,NI	-
46	TAP.SCREW-TRF#4.0*12.0L,NI	-
47	MAC.SCREW-MPSWF M3.0*6.0L,NI	-
48	MAC.SCREW-MRF M3.0*6.0L,BLK-NI	-
49	MAC.SCREW-MB M4.0*10.0L, BLK-NI	-

UNLESS OTHERWISE NOTED

JK = 00.10
J = 00.2
AMS = 01/2"

AMTRAN
TECHNOLOGY Co., LTD.

THIRD ANGLE PROJECTION

DATE: 4/15/08

CHK: [Signature]

DESCRIPTION: VIZIO VU32L HDTV10A_LPL

PART NO: 9632-8503-3053

MODEL No: VIZIO VU32L HDTV10A

DWG. NAME: 32" CASE ASS'Y

SCALE: Full UNIT: MM

REV: 0 SHEET: 1 of 1